

Parameter	Unit	Configuration 1	Configuration 2
Winding method	Delta / Y	Delta	Y
Rated voltage	V	24	48
Driver board model	/	GDS810(SDC103	GDZ810
Voltage Range	V	12~48	12~48
Rated Power	W	189.6	218.4
Rated torque	N.M	13	15.27
Peak torque	N.M	40	54.55
Rated Speed after reduction	RPM	100	120
Max Speed after reduction	RPM	129	125
Rated current	A	7.9	4.55
Peak current	A	24.6913580246914	25.21
Phase-to-phase resistance	ohm	0.28	1.05
Phase-to-phase inductance	mH	0.26	0.806
Speed constant	rpm/v	5.375	2.60416666666667
Torque constant	N.M/A	1.62	2.25
Number of pole pairs	Pairs	21	21
Gear ratio	/	9:1	9:1
Gear type	/	Planetary	Planetary
Reducer gear material	/	STEEL	STEEL
Reducer gear backlash	arcmin	15	15
Motor weight without driver	g	660	660
Motor weight with driver	g	705	705
Size without Driver	mm	Dia. 96 x 41	Dia. 96 x 41
Size with Driver	mm	Dia. 96 x 48.5	Dia. 96 x 48.5
Max. axial load	N	225	225
Max. radial load	N	900	900
Noise	dB	<60	<60
Communication	/	CAN	CAN & 485
Second encoder on output shaft	/	NO	YES
Protection grade	/	IP54	IP54
Working temperature	deg C	-20~+80	-20~+80
Resolution of the encoder on the driver	Bit	14bit	14bit
Can support separate encoder or not	/	NO	NO
Can support custom brakes	/	YES	YES